

PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/680,963	
			Filing Date	October 7, 2003	
			First Named Inventor	Piotr Bobrowicz	
			Art Unit	1636	
			Examiner Name	Not yet assigned	
Sheet	1	of	12	Attorney Docket Number	GFI/108 CIP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/CQ	AA	4,414,329	11-08-1983	Wegner	
	AB	4,617,274	10-14-1986	Wegner	
	AC	4,683,293	07-28-1987	Craig	
	AD	4,775,622	10-04-1988	Hitzeman et al.	
	AE	4,808,537	02-28-1989	Stroman et al.	
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	AG	4,818,700	04-04-1989	Cregg et al.	
	AH	4,837,148	06-06-1989	Cregg	
	AI	4,855,231	08-08-1989	Stroman et al.	
	AJ	4,857,467	08-15-1989	Sreekrishna et al.	
	AK	4,879,231	11-07-1989	Stroman et al.	
	AL	4,882,279	11-21-1989	Cregg	
	AM	4,885,242	12-05-1989	Cregg	
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	AO	4,929,555	05-29-1990	Cregg et al.	
	AP	4,935,349	06-19-1990	McKnight et al.	
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	AW	5,135,854	08-04-1992	Mackay et al.	
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	AY	5,324,663	06-28-1994	Lowe	
	AZ	5,595,900	01-21-1997	Lowe	
	AA1	5,602,003	02-11-1997	Pierse et al.	
	AB1	5,707,828	01-13-1998	Sreekrishna et al.	
	AC1	5,766,910	06-16-1998	Fukuda et al.	
	AD1	5,834,251	11-10-1998	Maras et al.	
	AE1	5,849,904	12-15-1998	Gerardy-Schahn et al.	
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	AG1	5,861,293	01-19-1999	Kojiri et al.	
	AH1	5,910,570	06-08-1999	Elhammer et al.	
	AI1	5,945,314	08-31-1999	Prieto et al.	
	AJ1	5,945,322	08-31-1999	Gotschlich	
	AK1	5,955,347	09-21-1999	Lowe	
	AL1	5,955,422	09-21-1999	Lin	
	AM1	5,962,294	10-05-1999	Paulson et al.	
	AN1	6,017,743	01-25-2000	Tsuji et al.	
	AO1	6,096,512	08-01-2000	Elhammer et al.	
	AP1	6,204,431	03-20-2001	Prieto et al.	

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/CQ/	AQ1**	6,300,113	10-09-2001	Landry	
/CQ/	AR1	6,602,684	08-05-2003	Umaña	

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		Country Code ² -Number ³ -Kind Code ⁴ (if known)					
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/CQ/	CA**	Abeijon et al., "Molecular Cloning of the Golgi apparatus uridine diphosphate-N-acetylglucosamine transporter from <i>Kluyveromyces lactis</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 93:5963-5968 (1996).	
/CQ/	CB**	Adachi et al., "Mus Musculus Adult Male Testis cDNA, Riken full length enriched library, clone: 4931438M07 product: mannosidase 2, alpha 2, full insert sequence" XP002293645, Database accession no. AK029913 Abstract, Database EMBL, December 21, 2002	

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/CQ/	CC**	Alani et al., "A Method for Gene Disruption that Allows Repeated Use of URA3 Selection in the Construction of Multiply Disrupted Yeast Strains," <i>Genetics</i> 116, 541-545, August, 1987.	
	CD**	Altman et al., "Processing of Asparagine-linked Oligosaccharides in Insect Cells: Evidence for Alpha-Mannosidase II," <i>Glycoconj. J</i> 12(2):150-155 (1995).	
	CE**	Altman et al., "Insect cells as hosts for the expression of recombinant glycoproteins," <i>Glycoconj. J.</i> 16(2):109-123 (1999).	
	CF**	Andersen et al., "The Effect of Cell-Culture Conditions on the Oligosaccharide Structures of Secreted Glycoproteins," <i>Curr Opin Biotechnol</i> , 5(5):546-549, October 1994.	
	CG**	Aoki et al., "Expression and activity of chimeric molecules between human UDP-galactose transporter and CMP-sialic acid transporter," <i>J. Biochem. (Tokyo)</i> , 126(5):940-50, November, 1999.	
	CH**	Bardor et al., "Analysis of the N-glycosylation of recombinant glycoproteins produced in transgenic plants," <i>Trends in Plant Science</i> 4(9): 376-380 (1999)	
	CI**	Beaudet et al., "High-level expression of mouse Mdr3 P-glycoprotein in yeast <i>Pichia pastoris</i> and characterization of ATPase activity," <i>Methods Enzymol</i> 292: 397-413 (1998)	
	CJ**	Berka et al., "The Filamentous Fungus <i>Aspergillus-Niger</i> Var <i>Awamori</i> as Host for the Expression and Secretion of Fungal and Non-Fungal Heterologous Proteins," <i>Abstr Papers Amer Chem Soc</i> 203: 121-BIOT (1992)	
	CK**	Berninsone et al., "The Golgi Guanosine Diphosphatase is Required For Transport of GDP-Mannose Into the Lumen of <i>Saccharomyces cerevisiae</i> Golgi Vesicles," <i>J. Biol. Chem.</i> , 269(1):207-211, January, 1994.	
	CL**	Berninsone et al., "Regulation of yeast Golgi glycosylation. Guanosine diphosphatase functions as a homodimer in the membrane," <i>J. Biol. Chem</i> 270(24): 14564-14567 (1995).	
	CM**	Berninsone et al., "Functional Expression of the Murine Golgi CMP-Sialic Acid Transporter in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> 272(19):12616-12619, May, 1997.	
	CN**	Bianchi et al., "Transformation of the yeast <i>Kluyveromyces lactis</i> by new vectors derived from the 1.6 µm circular plasmid pKD1," <i>Current Genetics</i> , 12:185-192, 1987.	
↓	CO**	Boehm et al., "Disruption of the KEX1 Gene in <i>Pichia Pastoris</i> Allows Expression of Full-Length Murine and Human Endostatin," <i>Yeast</i> , 15:563-572 (1999).	

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/CQ/	CP**	Bonneaud et al., "A family of low and high copy replicative, integrative and single-stranded <i>S. cerevisiae</i> /E. coli shuttle vectors," <i>Yeast</i> 7(6): 609-615 (1991).	
	CQ**	Bretthauer et al., "Glycosylation of <i>Pichia pastoris</i> -derived proteins," <i>Biotechnol Appl Biochem</i> 30(Pt 3): 193-200 (1999).	
	CR**	Bretthauer et al., "Genetic engineering of <i>Pichia pastoris</i> to humanize <i>N</i> -glycosylation of proteins," <i>TRENDS in Biochem</i> , 21(11): 459-462 (2003).	
	CS**	Brockhausen et al., "Control of glycoprotein synthesis. The use of oligosaccharide substrates and HPLC to study the sequential pathway for <i>N</i> -acetylglucosaminyltransferases I, II, III, IV, V and VI in the biosynthesis of highly branched <i>N</i> -glycans by hen oviduct membranes," <i>Biochem. Cell Biol.</i> 66:1134-1151 (1988).	
	CT**	Callewaert et al., "Use of HDEL-Tagged <i>Trichoderma reesei</i> Mannosyl Oligosaccharide 1,2V-D-Mannosidase for <i>N</i> -glycan Engineering in <i>Pichia pastoris</i> ," <i>FEBS Letters</i> , 503(2-3):173-8, 2001.	
	CU**	Cereghino et al., "Heterologous protein expression in the methylotrophic yeast <i>Pichia pastoris</i> ," <i>FEMS Microbiology Reviews</i> , 24(1): 45-66 (2000).	
	CV**	Cereghino et al., "New selectable marker/auxotrophic host strain combinations for molecular genetic manipulation of <i>Pichia pastoris</i> ," <i>Gene</i> , 263:159-169 (2001).	
	CW**	Chandrasekaran et al., "Purification and Properties of Alpha-D-Mannose:beta-1,2-N-acetylglucosaminyl-transferases and alpha-D-Mannosidases from Human Adenocarcinoma," <i>Cancer Res.</i> , 44(9):4059-68, September, 1984.	
	CX**	Chiba et al., "Production of Human Compatible High Mannose-type (Man ₅ GlcNAc ₂) Sugar Chains in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , 273(41):26298-26304, October, 1998.	
	CY**	Choi et al., "Use of combinatrol genetic libraries to humanize N-linked glycosylation in the yeast <i>Pichia pastoris</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 100(9):5022-5027, April, 2003.	
	CZ**	Chui et al., "Genetic Remodeling of Protein Glycosylation <i>in vivo</i> Induces Autoimmune Disease," <i>Proc. Natl. Acad. Sci.</i> , USA 98:1142-1147, January, 2001.	
	CA1**	Chui et al., "Alpha-mannosidase-II Deficiency Results in Dyserythropoiesis and Unveils and Alternate Pathway in Oligosaccharide Biosynthesis," <i>Cell</i> , 1997 July 11; 90(1):157-67.	
V	CB1**	Daniel et al, "Mammalian Alpha-Mannosidases—Multiple Forms but a Common Purpose?", <i>Glycobiology</i> , 4, 551-566, October 1994.	

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/CQ/	CC1**	Davidson et al., "A PCR-Based Strategy to Generate Integrative Targeting Alleles With Large Regions of Homology," <i>Microbiology</i> , 148 (Pt 8):2607-15).	
	CD1**	Dente, "Human alpha-1-acid glycoprotein genes," <i>Prog. Clin. Biol. Res</i> 300:85-98 (1989).	
	CE1**	Duvet et al., "Cytosolic Deglycosylation Process of Newly Synthesized Glycoproteins Generates Oligomannosides Possessing One GlcNAc Residue at the Reducing End," <i>Biochem J.</i> , 335, 1998, 389-396.	
	CF1**	Eades et al., "Characterization of the Class I alpha-Mannosidase Gene Family in the Filamentous Fungus <i>Aspergillus Nidulans</i> ," <i>Gene</i> , 2000, Sept 5; 255(1):25-34.	
	CG1**	Eckhardt et al., "Molecular Cloning of the Hamster CMP-Sialic Acid Transporter," <i>Eur. J. Biochem.</i> , 248(1):187-192 (1997).	
	CH1**	Foster et al., "Cloning and Sequence Analysis of GmII, a <i>Drosophila</i> Melanogaster Homologue of the cDNA Encoding Murine Golgi alpha-Mannosidase II," <i>Gene</i> 154 (1995) 183-186.	
	CI1**	Gleeson, Paul A. "Targeting of Proteins to the Golgi Apparatus," <i>Histochem. Cell Biol.</i> , 109:517-532 (1998).	
	CJ1**	Gonzalez, Daniel S et al: "The Alpha-Mannosidases: Phylogeny and Adaptive Diversification" <i>Molecular Biology and Evolution</i> , vol.17, no.2, February 2000, pages 292-300, XP002293609 ISSN: 0737-4038	
	CK1**	Graham et al., "Compartmental Organization of Golgi-specific Protein Modification and Vacuolar Protein Sorting Events Defined in Yeast sec18 (NSF) Mutant," <i>J. Cell. Biol.</i> , 114(2): 207-218 (1991).	
	CL1**	Grard et al., "Oligomannosides or Oligosaccharide-lipids as Potential Substrates for Rat Liver Cytosolic V-D-Mannosidase," <i>Biochem. J.</i> , 316: 787-792 (1996)	
	CM1**	Guillen et al., "Mammalian Golgi apparatus UDP-N-acetylglucosamine transporter: Molecular Cloning by Phenotypic Correction of a Yeast Mutant," <i>Proc. Natl. Acad. Sci. USA</i> , 95(14):7888-7892 (1998).	
	CN1**	Hamilton et al., "Production of Complex Human Glycoproteins in Yeast," <i>Science</i> 301:1244-1246 (2003).	
	CO1**	Harkki et al., "A Novel Fungal Express System - Secretion of Active Calf Chymosin from the Filamentous Fungus <i>Trichoderma-Reesei</i> ," <i>Bio-Tech</i> 7:596-603 (1989).	
V	CP1**	Harris B.R.: "Caenorhabditis Elegans Cosmid F58H1" XP002293610, Protein F58H1.1, Abstract, Database EMBL 13 July 1996	

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/CQ/	CQ1**	Ichishima et al., "Molecular and Enzymic Properties of Recombinant 1,2- α -Mannosidase from <i>Aspergillus saitoi</i> Overexpressed in <i>Aspergillus oryzae</i> Cells," 1999; <i>Biochem. J.</i> , 339(Pt 3): 589-597.	
	CR1**	Ishida et al., "Molecular Cloning and Functional Expression of the Human Golgi UDP-N-Acetylglucosamine Transporter," <i>J. Biochem.</i> , 126(1):68-77 (1999).	
	CS1**	Jarvis et al., "Isolation and Characterization of a Class II alpha-mannosidase cDNA from Lepidopteran Insect Cells," <i>Glycobiology</i> , 1997; 7(1):113-127 (1997).	
	CT1**	Jarvis et al., "Engineering N-glycosylation pathways in the baculovirus-insect cell system," <i>Curr Opin Biotechnol</i> 9(5): 528-33 (1998).	
	CU1**	Kainuma et al., "Coexpression of α 1,2 galactosyltransferase and UDP-galactose transporter efficiently galatosylates N- and O-glycan in <i>Saccharomyces cerevisiae</i> ," <i>Glycobiology</i> , 9(2): 133-141 (1999).	
	CV1**	Kalsner et al., "Insertion into <i>Aspergillus nidulans</i> of functional UDP-GlcNAc: α 3-D-mannoside β -1,2-N-acetylglucosaminyl-transferase I, the enzyme catalysing the first committed step from oligomannose to hybrid and complex N-glycans," <i>Glycoconj. J.</i> , 12(3):360-370 (1995).	
	CW1**	Kawar et al., "Insect Cells Encode a Class II α -Mannosidase with Unique Properties," <i>J. Biol. Chem.</i> , 276(19):16335-16340 (2001).	
	CX1**	Khatra et al., "Some kinetic properties of human milk galactosyltransferase," <i>Eur. J. Biochem.</i> 44:537-560 (1974).	
	CY1**	Krezdorn et al., "Human β 1,4 galactosyltransferase and α 2,6 sialyltransferase expressed in <i>Saccharomyces cerevisiae</i> are retained as active enzymes in the endoplasmic reticulum," <i>Eur. J. Biochem.</i> , 220(3): 809-17 (1994).	
	CZ1**	Lal et al., "Isolation and Expression of Murine and Rabbit cDNAs Encoding an α 1,2-Mannosidase Involved in the Processing of Asparagine-Linked Oligosaccharides," <i>J. Biol. Chem.</i> , 1994. 269(13): 9872-9881.	
	CA2**	Lal et al. "Substrate Specificities of Recombinant Murine Golgi α 1,2-Mannosidase IA and IB and Comparison with Endoplasmic Reticulum and Golgi Processing α 1,2-Mannosidases," <i>Glycobiology</i> 8(10):981-995, 1998.	
	CB2**	Liao et al., "Cloning, Expression, Purification, and Characterization of the Human Broad Specificity Lysosomal Acid α -Mannosidase," <i>J Biol Chem</i> 271(45): 28348-28358.	
✓	CC2**	Lehle and Tanner, "Membrane-Bound Mannosyl Transferase in Yeast Glycoprotein Biosynthesis," <i>Biochem. Biophys. Acta</i> , 350(1): 225-235, 1974.	

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/CQ/	CD2**	Lu et al., "Cloning and Disruption of the b-Isopropylmalate Dehydrogenase Gene of <i>Pichia Stipitis</i> with URA3 and Recovery of the Double Auxotroph," <i>Appl. Microbiol. Biotechnol.</i> , 49 (2): 141-146 (1998).	
	CE2**	Lussier et al., "The <i>KTR</i> and <i>MNNI</i> mannosyltransferase families of <i>Saccharomyces cerevisiae</i> ," <i>Biochimica et Biophysica Acta</i> 1426: 323-334 (1999).	
	CF2**	Malissard et al., "Expression of functional soluble forms of human beta-1, 4-galactosyltransferase I, alpha-2-6-sialyltransferase, and alpha-1, 3-fucosyltransferase VI in the methylotrophic yeast <i>Pichia pastoris</i> ," <i>Biochem Biophys Res Commun</i> 267(1): 169-173 (2000).	
	CG2**	Maras et al., "In vitro conversion of the carbohydrate moiety of fungal glycoproteins to mammalian-type oligosaccharides," <i>Eur. J. Biochem.</i> , 249: 701-707 (1997).	
	CH2**	Maras et al., "Filamentous fungi as production organisms for glycoproteins of bio-medical interest," <i>Glycoconjugate Journal</i> , 16:99-107 (1999)	
	CI2**	Maras et al., "Molecular Cloning and Enzymatic Characterization of a <i>Trichoderma reesei</i> 1,2-alpha-D-mannosidase," <i>J. Biotechnol.</i> , 77(2-3):255-263, 2000.	
	CJ2**	Martinet et al., "Modification of the protein glycosylation pathway in the methylotrophic yeast <i>Pichia pastoris</i> ," <i>Biotechnology Letters</i> 20(12): 1171-1177 (1998).	
	CK2**	Maruyama et al., "A 1,2-alpha-D-Mannosidase from a <i>Bacillus</i> sp.: Purification, Characterization, and Mode of Action," <i>Carbohydrate Res.</i> 251:89-98 (1994).	
	CL2**	McClure "Modeling the growth, survival and death of microorganisms in foods: the UK food micromodel approach," <i>Int. J. Food Microbiol.</i> , 23(3-4) 265-265 (1994).	
	CM2**	McGarvey et al., "Expression of the rabies virus glycoprotein in transgenic tomatoes," <i>Bio-Technology</i> 13(13): 1484-1487 (1995).	
	CN2**	Merkle et al., "Cloning, Expression, Purification, and Characterization of the Murine Lysosomal Acid Alpha-Mannosidase," <i>Biochim Biophys Acta</i> , 1336(2): 132-46 (1997).	
	CO2**	Miele et al., "Glycosylation Properties of the <i>Pichia pastoris</i> -Expressed Recombinant Kringle 2 Domain of Tissue-Type Plasminogen Activator," <i>Biotechnol. Appl. Biochem.</i> , 25:151-157 (1997).	
✓	CP2	Moens et al., "Glycoproteins in prokaryotes," <i>Arch. Microbiol.</i> 168(3): 169-175 (1997)	

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/CQ/	CQ2**	Moremen, "Golgi α -mannosidase II deficiency in vertebrate systems: implications for asparagine-linked oligosaccharide processing in mammals," <i>Biochimica Biophysica Acta</i> , 1573: 225-235 (2002).	
	CR2**	Moremen et al., "Biosynthesis and Modification of Golgi Mannosidase II in HeLa and 3T3 Cells," <i>J. Biol. Chem.</i> , 260(11): 6654-6662 (1985).	
	CS2**	Moremen et al., "Topology of Mannosidase II in Rat Liver Golgi Membranes and Release of the Catalytic Domain by Selective Proteolysis," <i>J. Biol. Chem.</i> , 261(23): 10945-10951 (1986).	
	CT2**	Moremen, "Isolation of a Rat Liver Golgi Mannosidase II Clone by Mixed Oligonucleotide-Primed Amplification of cDNA," <i>Proc. Natl. Acad. Sci., USA</i> 1989 July;86(14):5276-80.	
	CU2**	Moremen et al., "Isolation, Characterization, and Expression of cDNAs Encoding Murine ∇ -Mannosidase II, a Golgi Enzyme that Controls Conversion of High Mannose to Complex N-Glycans," <i>Journal of Cell Biology</i> , 1991 December; 115(6):1521-34.	
	CV2**	Moremen et al., "Glycosidases of the Asparagine-Linked Oligosaccharide Processing Pathway," <i>Glycobiology</i> 4(2): 113-125 (1994).	
	CW2**	Nakanishi-Shindo et al., "Structure of the N-Linked Oligosaccharides That Show the Complete Loss of α -1,6-Polymannose Outer Chain from <i>och1</i> , <i>och1 mnn1</i> , and <i>och1 mnn1 alg3</i> Mutants in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , 268(35):26338-45 (1993).	
	CX2**	Nakayama et al., "OCHI1 Encodes a Novel Membrane Bound Mannosyltransferase: Outer Chain Elongation of Asparagine-Linked Oligosaccharides," <i>Embo J.</i> , 11(7):2511-19, 1992.	
	CY2**	Nakayama et al. "Substrate Specificity of ∇ -1,6-Mannosyltransferase that Initiates N-Linked Mannose Outer Chain Elongation in <i>Saccharomyces cerevisiae</i> ," <i>FEBS Lett.</i> , 412(3):547-50, 1997.	
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✓	CB3**	Ogawa et al., "Structure and Transcriptional Regulation of Human alpha-Mannosidase IIX (alpha-mannosidase II isotype) Gene," <i>Eur. J. Biochem.</i> , 242(3): 446-453 (1996).	

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			First Named Inventor	Piotr Bobrowicz	
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/CQ/	CC3**	Oh-eda et al., "Overexpression of the Golgi-Localized Enzyme ∇ -mannosidase IIx in Chinese Hamster ovary Cells Results in the Conversion of Hexamannosyl-N-acetylchitobiose to Tetramannosyl-N-acetylchitobiose in the N-glycan-processing Pathway," <i>Eur. J. Biochem.</i> , 268: 1280-1288 (2001).
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/CQ/	CP3**	Satou and SatoH: "Ciona Intestinalis cDNA, clone: cieg014e11, full insert sequence." XP002293611, Database accession no. AK116684, the whole document, Database EMBL	
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	CS3**	Segawa et al., "Schizosaccharomyces pombe UDP-galactose transporter: identification of its functional form through cDNA cloning and expression in mammalian cells," <i>FEBS Letters</i> , 451(3): 295-298 (1999).	
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	CW3**	Sommers et al., "Transport of Sugar Nucleotides into Rat Liver Golgi," <i>J. Cell Biol.</i> , 91(2): A406-A406 (1981).	
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	CY3**	Staub et al., "High-yield production of a human therapeutic protein in tobacco chloroplasts," <i>Nature Biotechnology</i> 18(3): 333-338 (2000).	
	CZ3**	Stix, "Supercharging Protein Manufacture," <i>Scientific Amer.</i> , Jan. 2004: 32-33.	
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	CC4**	Swiss Prot P32906	
	CD4**	Swiss Prot P39107	
	CE4**	Swiss Prot P50108	
	CF4**	Swiss Prot P53008	
↓	CG4**	Takeuchi, "Trial for molecular breeding of yeast for the production of glycoprotein therapeutics," <i>Trends in Glycoscience and Glycotechnology</i> 9:S29-S35 (1997).	

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/CQ/	CH4**	Umaña et al., "Engineered Glycoforms of an Antineuroblastoma IgG1 with Optimized Antibody-Dependent Cellular Cytotoxic Activity," <i>Nature Biotechnology</i> , 17(1):176-80 (1999).	
	CI4	Umana et al., "Tetracycline-regulated overexpression of glycosyltransferases in Chinese hamster ovary cells," <i>Biotechnol. Bioeng.</i> 65(5):542-549 (1999)	
	CJ4**	Ware et al., "Expression of Human Platelet Glycoprotein Ib-Alpha in Transgenic Mice," <i>Thrombosis and Haemostasis</i> 69(6): 1194-1194 (1993).	
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	CP4**	Yang et al., "Effects of Ammonia on CHO Cell Growth, Erythropoietin Production, and Glycosylation", <i>Biotechnol Bioeng.</i> , 68(4): 370-80 (2000).	
	CQ4**	Yip et al., "Cloning and analysis of the <i>Saccharomyces cerevisiae</i> MNN9 and MNN1 genes required for complex glycosylation of secreted proteins," <i>Proc. Natl. Acad. Sci. USA</i> , 91(7): 2723-2727 (1994).	
	CR4**	Yoko-o et al., " <i>Schizosaccharomyces Pombe</i> Och1(+) Encodes Alpha-1,6-Mannosyltransferase that is involved in Outer Chain Elongation of N-Linked Oligosaccharides," <i>FEBS Lett.</i> , 489(1): 75-80 (2001).	
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	CT4**	Yoshida et al., "Expression and characterization of rat UDP-N-acetylglucosamine: α -3-D-mannoside β -1,2-N-acetylglucosaminyltransferase I in <i>Saccharomyces cerevisiae</i> ," <i>Glycobiology</i> , 9 (1): 53-58 (1999).	
↓	CU4**	Genbank Accession No. AF005034	

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TCQ	CV4**	Genbank Accession No. AF106080	
	CW4**	Genbank Accession No. AK116684	
	CX4**	Genbank Accession No. D55649	
	CY4**	Genbank Accession No. NM 073594	
	CZ4**	Genbank Accession No. NM 121499	
	CA5**	Genbank Accession No. U31520	
	CB5**	Genbank Accession No. X77652	
	CC5**	Genbank Accession No. XM 218816	
	CD5**	Genbank Accession No. NM 002406	
	CE5**	Genbank Accession No. CAA98114	
	CF5**	Genbank Accession No. NM 088548 (Genbank AN 6678787)	
	CG5**	Genbank Accession No. NM006715	
	CH5**	Genbank Accession No. X77652	
	CI5**	Genbank Accession No. X61172	
	CJ5**	Genbank Accession No. NM 000528	

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/CQ/	2003/0175884	09/2003	Umana et al.			
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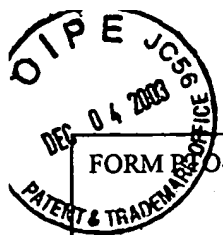
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						YES	NO
/CQ/	WO 03/011878	02/2003	WIPO				
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October 7, 2003GROUP
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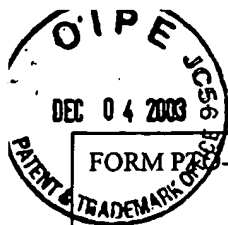
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